

## **Abstract**

This report is aimed towards presenting, and to a certain degree explaining, the current Wireless Application Protocol (WAP) traffic situation. WAP is a fairly new area within telecommunications and it is important for developers to have accurate and precise traffic models in order to foresee feasible traffic patterns. This report first provides basic knowledge about the WAP structure and its functionality, and then focuses on evaluating WAP traffic.

The concepts of traffic models are also introduced, including why they are used, how they are developed and some important aspects to consider when modeling traffic. Our traffic modeling is directed towards investigating the wireless application protocol users and the traffic they produce, specifically parameters showing daily usage and how that usage varies. Theories concerning the traffic situation are presented and explored through graphs showing important features.

By understanding the characteristics of a system's workload, with the help of for instance traffic models, it is easier to make performance improvements. This is why the intended audience of this report is WAP developers as well as graduate students.